**User Interface Testing**

# **Selecting and Uploading a File**

When the executable file is opened1, the interface should open to the below screen:

Clicking on the “Select a .wav file” button will open the file explorer on the user’s computer and allow the user to browse their computer and select a wav file2

After selecting a file, when the user clicks “open” the file will be read into the program.

As of now, once a file is loaded, the user can still click the “select a .wav file” button and start the process again with another file, in another series of windows. This holds true in subsequent steps as well.

The user will then be presented with the following window that has the file path of the selected file displayed:

Graphical user interface, text, application, email

Description automatically generated

The LUF value displayed will be the calculated LUFs value of the uploaded sound file.

The True Peak value displayed will be the true peak value of the uploaded sound file.

The user will then be able to select a report.

If the user closes out the above window they will be able to select another file and start the process over again.

If they close out the window erroneously at any point before generating a report, they will have to re-upload the file they wish to have analyzed.

# **Selecting a Report**

The user may choose what platform(s) and standard(s) they wish to see on the exported report.

## Selecting a Platform

At this point if the user can select what platform they would like to see if their file passes. They can also choose to see if their file passes all available platforms.

If the user does not change the platform the default one is Spotify. If they wish to change which platform their file is tested against they can click the arrow to produce the below drop down menu:

Graphical user interface, text, application, chat or text message

Description automatically generated

Clicking on any of these will cause “Spotify” to be replaced with the chosen platform.

## Selecting a Standard

At this point the user can select which standard they would like their file compared against.

If the user does not change the standard the default one is LUF Value. If they wish to change the standard they can click the arrow next to produce the below drop down menu:

Text

Description automatically generated with medium confidence

Clicking on any of these will cause “LUF Value” to be replaced with the chosen standard.

## Generating the report

Once the user has selected the platform(s) and standard(s) they want hitting the “Enter” will generate the report and produce the following window with the results:

Table

Description automatically generated

It will once again show the calculated LUFs and True Peak values from the input file. It will also show the selected platforms and what their cutoff values are for the selected standards. Lastly, it will show if the file would pass or fail when compared to the platform’s standard.

# **Adding/Modifying/Viewing Standard**

There are 3 additional buttons on the opening screen that allow users to interact with the known standards for given platforms.

## Adding a standard

When a user clicks on the “Add a new standard button” the following window appears:

Table

Description automatically generated

This allows the user to input a platform name, the standard LUFs value for the platform and the standard True Peak value for the platform.

### Possible Errors

There are a few situations that could cause an error message in response to the input from the user:

1. If the user enters the name of a platform whose standards are already in the program no error message will pop up, but no additional standard will be added.
2. If the user enters an unrealistic standard value.
   1. If the user enters a positive LUFs or True Peak value the following error messages will appear respectively:

Graphical user interface, text, application, chat or text message

Description automatically generated Graphical user interface, text, application, chat or text message

Description automatically generated

* 1. If the user enters a value that is not an integer for the LUFs or True Peak value the following error messages will appear respectively:

## Modifying a standard

## Viewing a standard

# **Troubleshooting**